SPYWOLF

Security Audit Report

Completed on

September 22, 2022

MADE IN USA 🇺🇸

OVERVIEW

This audit has been prepared for **ViceWrld** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

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PROJECT DESCRIPTION

According to their whitepaper:

VICEWRLD DAO's vision is to help evolve adult industry into Web3.

The DAO as part of its full roadmap will focus on three core areas such as:

- VICEWRLD Productions - adult content creation
- VICEWRLD NFT - launch service for adult creators and companies
- VICEWRLD Adult Metaverse

Release Date: Presale starts on Sep, 2022

Category: Metaverse / NFT

CONTRACT INFO

Token Name
ViceWRLD DAO

Symbol
VICEDAO

Contract Address
0xe69dcaBd8A9a18fc08a77bac851e72A7eB61b304

Network
Binance Smart Chain

Language
Solidity

Deployment Date
Sep 21, 2022

Verified?
Yes

Total Supply
1,000,000,000

Status
Not launched

TAXES

Buy Tax
4%

Sell Tax
20%

*Taxes can be changed in future

Our Contract Review Process

The contract review process pays special attention to the following:

- Testing the smart contracts against both common and uncommon vulnerabilities
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

CURRENT STATS

(As of Sep 22, 2022)

Liquidity

Not added yet

Burn

No burnt tokens

Status:

Not Launched!

MaxTxAmount

100,000,000

DEX:

PancakeSwap

LP Address(es)

Liquidity not added yet

TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1000000000 VICEDAO
Median Transfer Amount	1000000000 VICEDAO
Average Transfer Amount	1000000000 VICEDAO
First transfer date	2022-09-21
Last transfer date	2022-09-21
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2022-09-21 15:16:05 UTC
Created	2022-09-21 15:16:05 UTC
Create TX	0xd9f97a97f8b7ea574f3597c2d2dd103845c1ac2abc8a0d4a4b23924cfbb76cee
Creator	0xb662fd9fc992d6b5f0e7536fd66c5e8ac0cc0012

FEATURED WALLETS

*Owner address	0xb662fd9fc992d6b5f0e7536fd66c5e8ac0cc0012
*Ecosystem wallet	0xa89ccd941f12bb0f1841e0dd1694235b07df0fd8
*Marketing wallet	0x350eca035bfb3ee2a4bf3e2177de0587b36a66ec
LP address	**Liquidity not added yet**

*Address can be changed in future

TOP 3 UNLOCKED WALLETS

1

100% Same as owner

*Tokens are not distributed yet

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

FOUND THREATS

⚠ High Risk

When the contract balances reach the swapThrehold and if swapAmount variable is set to 0, selling will fail.

```
function setSwapSettings(
    uint256 thresholdPercent,
    uint256 thresholdDivisor,
    uint256 amountPercent,
    uint256 amountDivisor
) external onlyOwner {
    swapThreshold = (_tTotal * thresholdPercent) / thresholdDivisor;
    swapAmount = (_tTotal * amountPercent) / amountDivisor;
}
```

- Recommendation:
  - Restrict swapAmount variable to be always above value of zero.

⚠ Medium Risk

Potential large array looping.

```
function multiSendTokens(
    address[] memory accounts,
    uint256[] memory amounts
) external {
    require(accounts.length == amounts.length, "Lengths do not match.");
    for (uint8 i = 0; i < accounts.length; i++) {
        require(_tOwned[msg.sender] >= amounts[i]);
        _transfer(msg.sender, accounts[i], amounts[i] * 10**_decimals);
    }
}

function multiSendPercents(
    address[] memory accounts,
    uint256[] memory percents,
    uint256[] memory divisors
) external {
    require(
        accounts.length == percents.length &&
            percents.length == divisors.length,
        "Lengths do not match."
    );
    for (uint8 i = 0; i < accounts.length; i++) {
        require(
            _tOwned[msg.sender] >= (_tTotal * percents[i]) / divisors[i]
        );
        _transfer(
            msg.sender,
            accounts[i],
            (_tTotal * percents[i]) / divisors[i]
        );
    }
}
}
```

- Recommendation:
  - Good practice while looping through dynamic arrays of unknown size to avoid denial of service (DOS) is to put limitation of either array iterations and/or gas limit, less than the current block gas limit. Current gas block limit can be found at https://bscscan.com/blocks Further reference: https://swcregistry.io/docs/SWC-128

⚠ Medium Risk

Owner can set buy/sell/transfer fees up to 20%.
Combined buy+sell=40%.

```
StaticValuesStruct public staticVals =
StaticValuesStruct({
    maxBuyTaxes: 2000,
    maxSellTaxes: 2000,
    maxTransferTaxes: 2000,
    masterTaxDivisor: 10000
});

function setTaxes(
    uint16 buyFee,
    uint16 sellFee,
    uint16 transferFee
) external onlyOwner {
    require(
        buyFee <= staticVals.maxBuyTaxes &&
            sellFee <= staticVals.maxSellTaxes &&
            transferFee <= staticVals.maxTransferTaxes
    );
    _taxRates.buyFee = buyFee;
    _taxRates.sellFee = sellFee;
    _taxRates.transferFee = transferFee;
}
```

- Recommendation:
  - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.

Informational

Owner can exclude address from fees.

```
function setExcludedFromFees(address account, bool enabled)
    public
    onlyOwner
{
    _isFeeExcluded[account] = enabled;
}
```

Owner can change max transaction limit, but cannot lower it than 0.1% of total supply.

```
function setMaxTxPercent(uint256 percent, uint256 divisor)
    external
    onlyOwner
{
    require(
        (_tTotal * percent) / divisor >= (_tTotal / 1000),
        "Max Transaction amt must be above 0.1% of total supply."
    );
    _maxTxAmount = (_tTotal * percent) / divisor;
}
```

RECOMMENDATIONS FOR

GOOD PRACTICES

1. Consider fundamental tradeoffs
2. Be attentive to blockchain properties
3. Ensure careful rollouts
4. Keep contracts simple
5. Stay up to date and track development

Vice Wrld

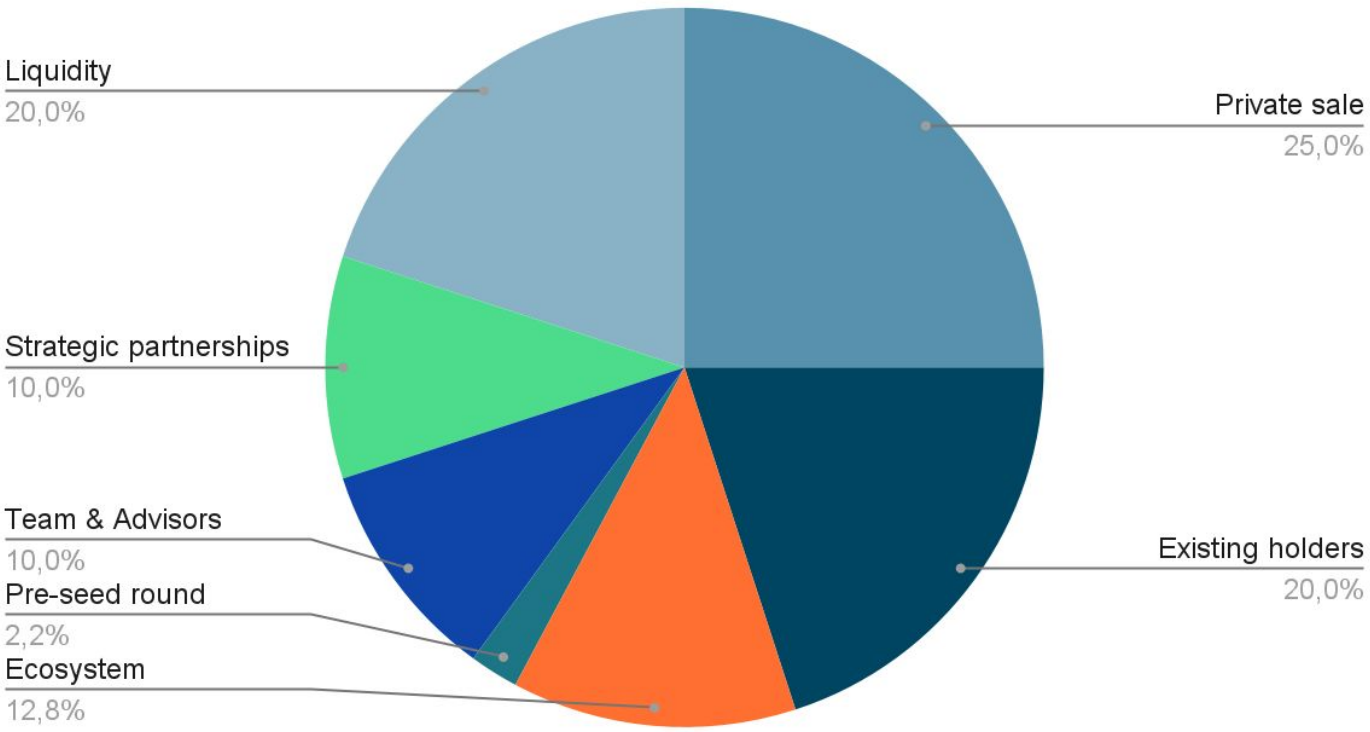
GOOD PRACTICES FOUND

- ✔ The owner cannot mint new tokens after deployment
- ✔ The owner can set a transaction limit, but can’t lower it than 0.1% of total supply

TOKENOMICS

*The following tokenomics are based on the project's whitepaper and/or website:

- 25% - Private/Presale
- 20% - Existing holders
- 12.8% - Ecosystem development
- 2.2% - Pre-seed round
- 10% - Team & Advisors
- 10% - Strategic partners
- 20% - Liquidity



THE TEAM

✅ The team at VICEWRLD is publicly doxxed.

VICEWRLD was founded by and is being developed with the oversight of Jordanna Foxx. Scouted by a modelling agency in London at 17 Jordanna has spent 20 years in the adult industry, working as a dancer, model, actress, presenter, and dominatrix.

The Founders

Jordanna Foxx

CEO

Ant

CSO

Ben Fraden

CBO

WEBSITE

Website URL
https://vicewrld.com/

Domain Registry
https://www.godaddy.com

Domain Expiration
Expires on 2023-05-16

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

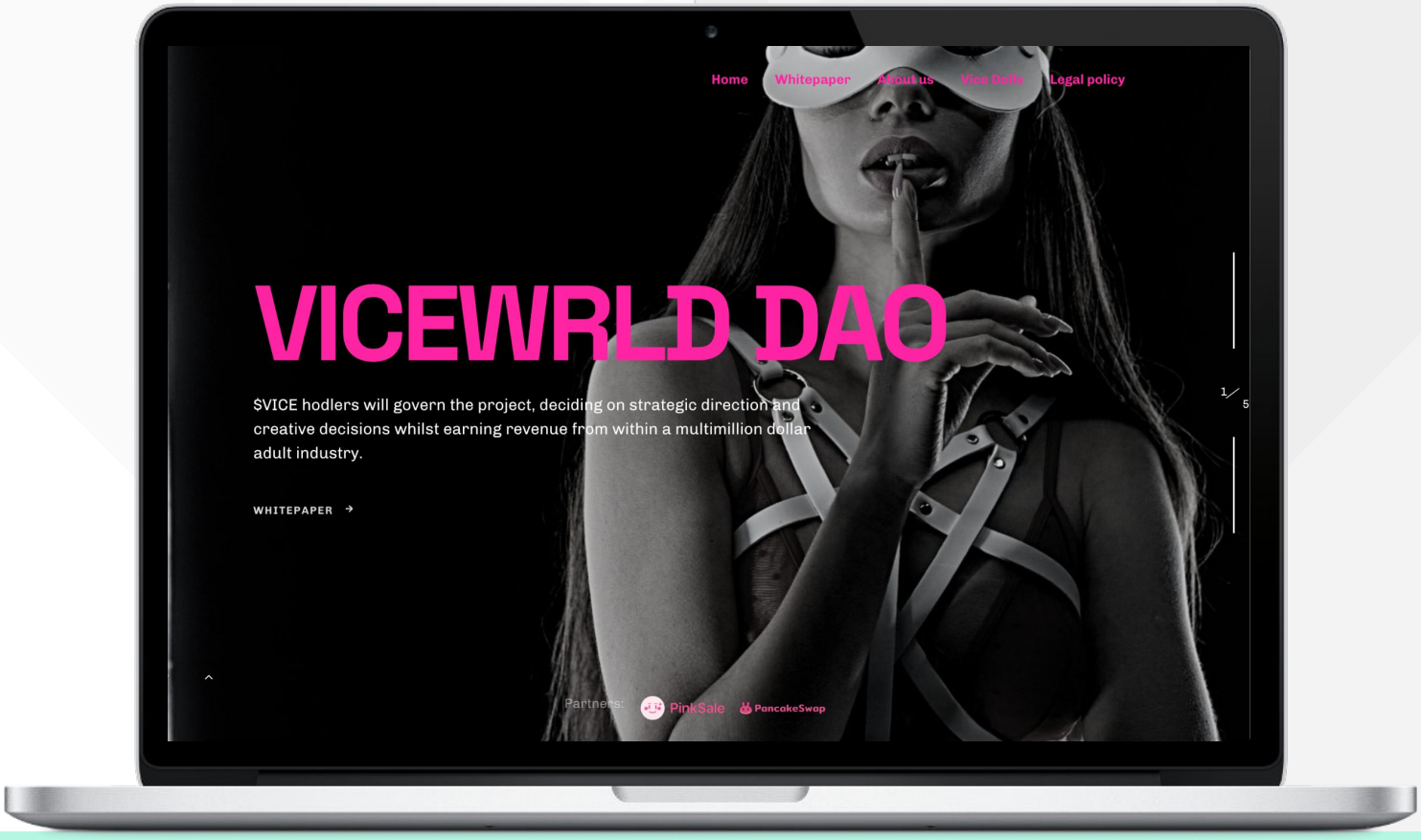
Design
Single page design, appropriate color scheme and graphics.

Content
The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set at 4 phases with time frames.

Mobile-friendly?
Yes



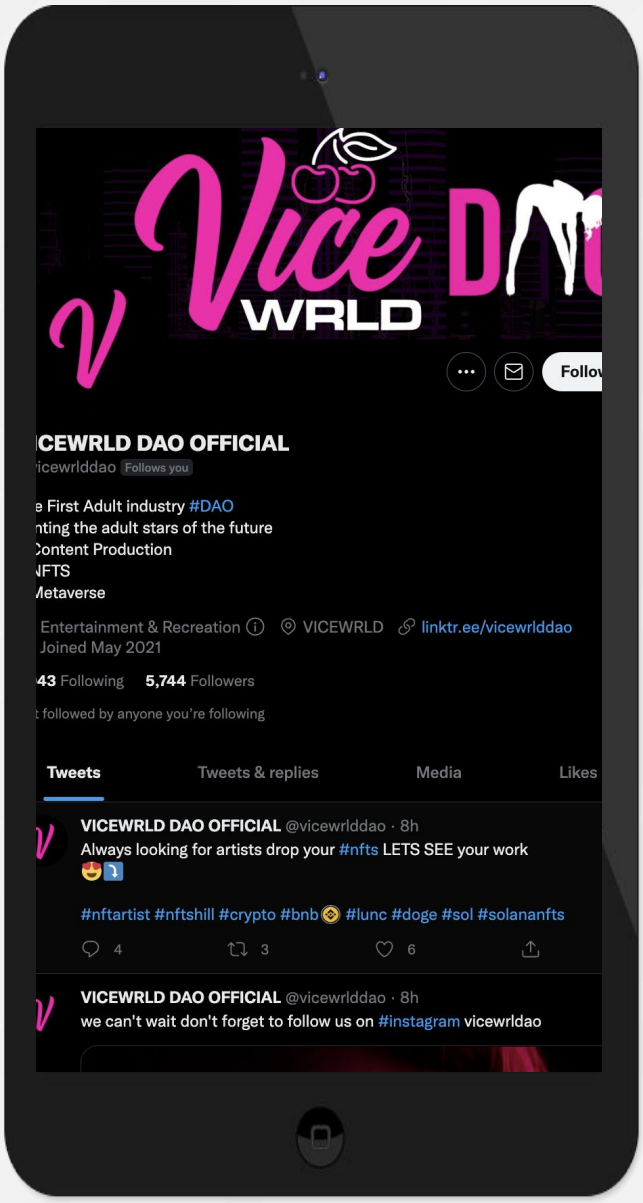
vicewrld.com

SOCIAL MEDIA

& ONLINE PRESENCE

ANALYSIS

Project's social media are active with organic activity



Twitter

@vicewrlddao

- 5 749 followers
- Very active
- Daily posts

Discord

- Not available

Telegram

@vicewrld_token

- 2 612 members
- Few active members
- Active mods

Medium

- Not available

SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.
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No applications were reviewed for security. No product code has been reviewed.